

TABLE 4-continued

	Exemplary Analytes
Cancer	(SCAMs), sTfR, sCD4, sCD8, sCD44, and Osteoblast Specific Factor 2 (OSF-2, Periostin) PSA (total prostate specific antigen), Creatinine, Prostatic acid phosphatase, PSA complexes, Prostate-specific gene-1, CA 12-5, Carcinoembryonic Antigen (CEA), Alpha feto protein (AFP), hCG (Human chorionic gonadotropin), Inhibin, CAA Ovarian C1824, CA 27.29, CA 15-3, CAA Breast C1924, Her-2, Pancreatic, CA 19-9, Carcinoembryonic Antigen, CAA pancreatic, Neuron-specific enolase, Angiostatin DcR3 (Soluble decoy receptor 3), Endostatin, Ep-CAM (MK-1), Free Immunoglobulin Light Chain Kappa, Free Immunoglobulin Light Chain Lambda, Herstatin, Chromogranin A, Adrenomedullin, Integrin, Epidermal growth factor receptor, Epidermal growth factor receptor-Tyrosine kinase, Pro-adrenomedullin N-terminal 20 peptide, Vascular endothelial growth factor, Vascular endothelial growth factor receptor, Stem cell factor receptor, c-kit, KDR or Flt-1, KDR, AML, and Midkine
Infectious disease	Viremia, Bacteremia, Sepsis, PMN Elastase, PMN elastase/ α 1-Pi complex, Surfactant Protein D (SP-D), HBVc antigen, HBVs antigen, Anti-HBVc, Anti-HIV, T-suppressor cell antigen, T-cell antigen ratio, T-helper cell antigen, Anti-HCV, Pyrogens, p24 antigen, Muramyl-dipeptide
Diabetes	C-peptide, Hemoglobin A1c, Glycated albumin, Advanced glycosylation end products (AGEs), 1,5-anhydroglucitol, Gastric Inhibitory Polypeptide, Glucose, Hemoglobin, ANGPTL3 and 4
Inflammation	Rheumatoid factor (RF), Antinuclear Antibody (ANA), C-reactive protein (CRP), Clara Cell Protein (Uteroglobin)
Allergy	Total IgE and Specific IgE
Autism	Ceruloplasmin, Metallothioneine, Zinc, Copper, B6, B12, Glutathione, Alkaline phosphatase, and activation of apo-alkaline phosphatase
Coagulation disorders	b-Thromboglobulin, Platelet factor 4, Von Willebrand factor
COX inhibitors	TxB2 (Cox-1), 6-keto-PGF-1- α (Cox 2), 11-Dehydro-TxB-1a(Cox-1)
Geriatric	Neuron-specific enolase, GFAP, and S100B
Nutritional status	Prealbumin, Albumin, Retinol-binding protein (RBP), Transferrin, Acylation-Stimulating Protein (ASP), Adiponectin, Agouti-Related Protein (AgRP), Angiotensin-like Protein 4 (ANGPTL4, FLAF), C-peptide, AFABP (Adipocyte Fatty Acid Binding Protein, FABP4) Acylation-Stimulating Protein (ASP), EFABP (Epidermal Fatty Acid Binding Protein, FABP5), Glicentin, Glucagon, Glucagon-Like Peptide-1, Glucagon-Like Peptide-2, Ghrelin, Insulin, Leptin, Leptin Receptor, PYY, RELMs, Resistin, and sTfR (soluble Transferrin Receptor)
Lipid metabolism	Apo-lipoproteins (several), Apo-A1, Apo-B, Apo-C-II, Apo-D, Apo-E
Coagulation status	Factor I: Fibrinogen, Factor II: Prothrombin, Factor III: Tissue factor, Factor IV: Calcium, Factor V: Proaccelerin, Factor VI, Factor VII: Proconvertin, Factor VIII, Anti-hemolytic factor, Factor IX: Christmas factor, Factor X: Stuart-Prower factor, Factor XI: Plasma thromboplastin antecedent, Factor XII: Hageman factor, Factor XIII: Fibrin-stabilizing factor, Prekallikrein, High-molecular-weight kininogen, Protein C, Protein S, D-dimer, Tissue plasminogen activator, Plasminogen, a2-Antiplasmin, Plasminogen activator inhibitor 1 (PAI1).
Monoclonal antibodies	those for EGFR, ErbB2, and IGF1R
Tyrosine kinase inhibitors	Ab1, Kit, PDGFR, Src, ErbB2, ErbB 4, EGFR, EpbB, VEGFR1-4, PDGFRb, FLt3, FGFR, PKC, Met, Tie2, RAF, and TrkA; VEGF
Serine/Threonine Kinase Inhibitors	AKT, Aurora A/B/B, CDK, CDK (pan), CDK1-2, VEGFR2, PDGFRb, CDK4/6, MEK1-2, mTOR, and PKC-beta
GPCR targets	Histamine Receptors, Serotonin Receptors, Angiotensin Receptors, Adrenoreceptors, Muscarinic Acetylcholine Receptors, GnRH Receptors, Dopamine Receptors, Prostaglandin Receptors, and ADP Receptors
Other	Theophylline, CRP, CKMB, PSA, Myoglobin, CA125, Progesterone, TxB2, 6-keto-PGF-1- α , and Theophylline, Estradiol, Lutenizing hormone, High sensitivity CRP, Triglycerides, Tryptase, Low density lipoprotein Cholesterol, High density lipoprotein Cholesterol, Cholesterol, IGFR, Leptin, Leptin receptor, and Pro-calcitonin, Brain S100 protein, Substance P, 8-Iso-PGF-2a; GIP; GLP-1

What is claimed is:

1. A fluidic device for detecting the presence or absence of an analyte in a bodily fluid from a subject, comprising a cartridge, said cartridge comprising a sample collection unit and an assay assembly, wherein:

(a) said sample collection unit is configured to:

- (i) collect a sample of bodily fluid from said subject, and
- (ii) deliver a predetermined portion of said sample to said assay assembly, and wherein said sample collection unit comprises:

- (1) a sample collection well in fluid communication with a metering channel, configured so that a col-

lected sample flows from said sample collection well into said metering channel;

- (2) a metering element, wherein said metering element is adapted to close the fluid communication of said sample collection well to said metering channel, thereby isolating a specific volume of said sample in said metering channel, and wherein said metering element comprises a mechanically movable portion configured to be movable from an open position that permits fluid communication between the sample collection well and the metering channel to a closed position that does not provide fluid